

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
TH2229 (US)APPLICATION NUMBER
10/772,023LIST OF INFORMATION PROVIDED
BY APPLICANT

(Use several sheets if necessary)

APPLICANT
P. M. Ayoub et al.FILING DATE
February 4, 2004

GROUP ART UNIT

REFERENCE DESIGNATION

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
JCD	AA	3,484,498	12/16/69	Berg	260	671	
JCD	AB	5,196,624	3/23/93	Threlkel et al.	585	513	
JCD	AC	5,196,625	3/23/93	Threlkel et al.	585	513	
JCD	AD	5,849,972	12/15/98	Vicari et al.	585	531	
JCD	AE	6,111,158	6,111,158	Marinangeli et al.	585	467	
JCD	AF	6,187,981	2/13/01	Marinangeli et al.	585	323	
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
JCD	AL	199 15 357 A1	4/6/99	Germany	C07C	2/08	X	
JCD	AM	198 59 911 A1	12/23/98	Germany	C07C	11/00	X	
JCD	AN	199 10 370 A1	3/9/99	Germany	C07C	11/02	X	
JCD	AO	199 12 418 A1	3/19/99	Germany	C07C	29/132	X	

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

JCD	AR	Nielsen et al., "Biodegradation of Coproducts of Commercial Linear Alkylbenzene Sulfonate," Environmental Science and Technology, 1997, 31:3397-3404
	AS	
	AT	

EXAMINER

/John Douglas/

DATE CONSIDERED

06/02/2006

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TH2229 (US)APPLICATION NUMBER
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M. Ayoub et al.

(Use several sheets if necessary)

FILING DATE
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Examiner Initial		Document Number	Date	Patentee	Class	Subclass	Filing Date If Appropriate
	BA						
	BB						
	BC						
	BD						
	BE						
	BF						
	BG						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes N	
JCD	BJ	100 26 906 A1	5/31/00	Germany	C07C	2/08	X	
JCD	BK	100 15 002 A1	3/25/00	Germany	C07C	2/08	X	
JCD	BL	199 10 103 A1	3/8/99	Germany	C07C	2/08	X	
JCD	BM	199 57 173 A1	11/27/99	Germany	B01J	27/053	X	
JCD	BN	WO 99/25668	5/27/99	World	C07C	2/10	X	
JCD	BO	WO 00/69795	11/23/00	World	C07C	2/08	X	

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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EXAMINER

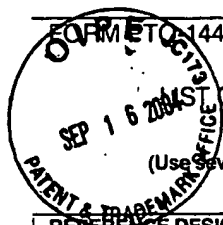
/John Douglas/

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INFORMATION PROVIDED BY APPLICANT (Use several sheets if necessary)		APPLICANT P. M. Ayoub et al.	
		FILING DATE February 4, 2004	GROUP ART UNIT 1764

REFERENCE DESIGNATION	U.S. PATENT DOCUMENTS						
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Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date If Appropriate
JCD	AA	6,515,169	2/4/03	Marinangeli et al.	562	93	
JCD	AB	3,492,364	1/27/70	Jones et al.	260	671	
JCD	AC	6,448,458	9/10/02	Marinangeli et al.	585	24	
JCD	AD	6,392,109	5/21/02	O'Rear et al.	585	323	
JCD	AE	3,442,965	5/6/69	Oldham	260	671	
JCD	AF	3,238,249	3/1/66	Mirviss, et al.	260	505	
JCD	AG	4,959,491	9/25/90	Threlkel	562	94	
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	AI						

FOREIGN PATENT DOCUMENTS							
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		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
JCD	AL	02/44114 A1	6/6/02	World	C07C	15/00		X

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
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FOREIGN SEARCH REPORT (IF IN ENGLISH) CITING ANY OF THE ABOVE REFERENCES	
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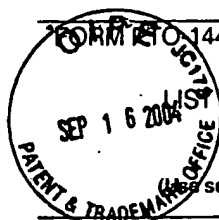
FOREIGN PATENT OFFICE	
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JCD	AT	International Search Report for PCT/US2004/002954 of 20 August 2004
JCD	AU	International Search Report for PCT/US2004/002958 of 23 July 2004
JCD	AV	International Search Report for PCT/US2004/002888 of 19 July 2004

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10/772,023APPLICANT
P. M. Ayoub et al.FILING DATE
2/4/04GROUP ART UNIT
1764

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

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	BL							
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	BN							
	BO							

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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FOREIGN SEARCH REPORT (IF IN ENGLISH) CITING ANY OF THE ABOVE REFERENCES

FOREIGN PATENT OFFICE

JCD	BT	International Search Report for PCT/US2004/003010 of 14 July 2004
JCD	BU	International Search Report for PCT/US2004/003086 of 14 July 2004
JCD	BV	International Search Report for PCT/US2004/003166 of 15 July 2004

EXAMINER	/John Douglas/	DATE CONSIDERED	06/02/2006
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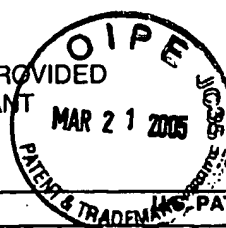
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							Yes	No
	AL							
	AM							
	AN							

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AQ	
	AR	

FOREIGN SEARCH REPORT (IF IN ENGLISH) CITING ANY OF THE ABOVE REFERENCES

FOREIGN PATENT OFFICE

JCD	AT	Notification of Transmittal of the International Preliminary Report on Patentability of 04 March 2005 for PCT/US2004/003166
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	AB						
	AC						
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		Document No.	Date	Country	Class	Subclass	Translation Yes N
	AH						
	AI						
	AJ						
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	AM						
FOREIGN SEARCH REPORT (IF IN ENGLISH) CITING ANY OF THE ABOVE REFERENCES							
FOREIGN PATENT OFFICE							
JCD	AO	Written Opinion of PCT/US2004/002958 filed 03 February 2004					
JCD	AP	Written Opinion of PCT/US2004/002954 filed 03 February 2004					
JCD	AQ	International Preliminary Report on Patentability of PCT/US2004/002954 of 14 March 2005					
JCD	AR	International Search Report of PCT/US2004/002956 of 23 July 2004					
JCD	AS	Written Opinion of PCT/US2004/002956 of 23 July 2004					
JCD	AT	International Preliminary Report on Patentability of PCT/US2004/002956 of 04 July 2005					
JCD	AU	International Preliminary Report on Patentability of PCT/US2004/002888 of 14 March 2005					
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FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subclass	Translation Yes No
	BH						
	BI						
	BJ						

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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JCD	BO	Written Opinion of PCT/US2004/002888 filed 03 February 2004
JCD	BP	Written Opinion of PCT/US2004/003166 filed 03 February 2004
JCD	BQ	Written Opinion of PCT/US2004/003010 filed 03 February 2004
JCD	BR	International Preliminary Report on Patentability of PCT/US2004/003010 of 03 January 2005
JCD	BS	Written Opinion of PCT/US2004/003086 filed 02 February 2004
JCD	BT	International Preliminary Report on Patentability of PCT/US2004/003086 of 14 March 2005
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